

EAST Search History

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|-----|---|---------------------------------|--|----|----|------------------|
| S50 | 1 | (mcdowell).xp. and (hegler).in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/14 16:52 |
| S51 | 1 | "10999635" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/14 16:52 |
| S52 | 1 | "10999635" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/14 17:00 |
| S53 | 2 | ("6159597" "5882563").pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/15 07:19 |
| S54 | 1 | "4193962".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/15 07:19 |
| S55 | 1 | S54 and (solution) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/15 07:20 |
| S56 | 0 | S54 and (coagulation coagulate) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/15 07:20 |
| S57 | 2 | "5945054".pn. | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 13:18 |
| S58 | 1 | "10500713" | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 14:44 |
| S59 | 1 | "10/500713" | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 13:18 |
| S60 | 2 | "20050179162" | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 13:20 |
| S61 | 2 | "4702876".pn. | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 13:29 |

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|-----|----|---|---|----|----|------------------|
| S62 | 4 | ("5468555" "5618479" "6159597" "5882563").pn. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 13:30 |
| S63 | 51 | ("3414645" "3616183" "3700544" "3704971" "3780149" "3839140" "3847524" "3873072" "3969559" "3988883" "4016236" "4059949" "4293516" "4308374" "4320081" "4406850" "4439487" "4457974" "4473617" "4485055" "4867925" "4943481" "5092381" "5094690" "5104599" "5121992" "5147135" "5151390" "5225489" "5246776" "5352518" "5436398" "5534113").PN. OR ("5468555" "5618479" "5882563" "6159597").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:46 |

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|-----|-----|--|------------------------------|----|----|------------------|
| S64 | 426 | ("1941808" "2369395" "2386173" "2461094" "2931091" "2987797" "2989798" "3023455" "3063966" "3068188" "3092892" "3103732" "3154609" "3156607" "3192295" "3219320" "3227792" "3232910" "3240760" "3244785" "3262153" "3315021" "3316612" "3329557" "3344472" "3354125" "3414645" "3453689" "3458390" "3459846" "3480706" "3489641" "3500498" "3526571" "3538544" "3551279" "3551535" "3570059" "3593513" "3604197" "3607611" "3622264" "3634576" "3638921" "3640964" "3642944" "3658634" "3671542" "3673143" "3684540" "3700957" "3718534" "3767756" "3781399" "3803453" "3807917" "3817941" "3849242" "3850888" "3869429" "3966686" "4018735" "4045417" "4075172" "4075269" "4118534" "4169932" "4172938").PN. OR ("3414645" "3616183" "3700544" "3704971" "3780149" "3839140" "3847524" "3873072" "3969559" "3988883" "4016236" "4059949" "4293516" "4308374" "4320081" "4406850" "4439487").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:47 |
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EAST Search History

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|----------------------|-----|---|------------------------------|----|----|------------------|
| S65 | 748 | ("20020146563" "20030087092" "2289860" "2439772" "2761658" "2817155" "2863888" "2866499" "2939201" "2939202" "2948927" "2954587" "2989798" "3068204" "3115745" "3117906" "3118011" "3154611" "3262153" "3328341" "3338992" "3341394" "3361859" "3378056" "3399259" "3408277" "3415051" "3418200" "3489641" "3491178" "3502763" "3509013" "3536803" "3542615" "3550369" "3551279" "3554263" "3558760" "3568249" "3570235" "3577308" "3584339" "3595738" "3608148" "3616183" "3621088" "3639573" "3644572" "3645819" "3657062" "3658634" "3669788" "3679368" "3679541" "3681910" "3692618" "3695327" "3716317" "3718534" "3725192" "3726955" "3728072" "3769541" "3780149" "3786018" "3802817" "3803453" "3812897" "3827932" "3843609" "3846507" "3849044" "3849241" "3880407" "3889028" "3900676" "3900678" "3901989" "3930103" "3939636" "3955022" "3963678" "3969559" "3973068" "3987139" "3993834" "3998988" "4017249" "4017580" "4032117" "4041203" "4045534" "4045949" "4056652" "4057597" "4059949" "4066587" "4066620" "4067948" "4069363" "4075262" "4075378" "4076700" "4085182" "4093479" "4115989" "4118534" "4122070" "4123476" "4124673" "4127158" "4129677" "4130545" "4134882" "4138194" "4140844" "4143200" "4145473" "4145532" "4154881" "4161500" "4163030" "4163078" "4180617").PN. OR ("4191656" "4195051" "4196282" "4197063" "4207376" "4224269" "4246221" "4261945" "4263691" "4264484" "4269888" "4274709" "4278623" "4278634" "4286005" "4297412" "4297413" "4299787" "4300972" "4302507" "4303433" "4303607" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:48 |
| 8/23/2007 7:19:40 AM | | C:\Documents and Settings\jwoolschlager\My Documents\EAST Workspaces\10500713.wsp | | | | Page 9 |

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|-----|--------|---|------------------------------|----|----|------------------|
| S66 | 1103 | S64 S65 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:49 |
| S67 | 697 | S66 and (spin\$3 spinning) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:49 |
| S68 | 494 | S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:52 |
| S69 | 76 | S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (isotropic\$3 anisotropic\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:53 |
| S70 | 7 | S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (isotropic\$3 anisotropic\$3) and (turbulen\$3 turbulence vortex\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:56 |
| S71 | 958792 | S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) aand (turbulen\$3 turbulence vortex\$3 wavy wav\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 13:56 |
| S72 | 101 | S66 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (turbulen\$3 turbulence vortex\$3 wavy wav\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:09 |

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|-----|-----|--|------------------------------|----|----|------------------|
| S73 | 183 | ("1933587" "1934618" "2131810" "2179181" "2222797" "2228155" "2284028" "2447994" "2703433" "2736920" "2798252" "2957748" "2958593" "3002804" "3079219" "3084384" "3086050" "3088793" "3118012" "3299469" "3412191" "3414645" "3532677" "3558761" "3589956" "3619452" "3642706" "3667886" "3686049" "3687759" "3691004" "3751546" "3767756" "3787372" "3824050" "3836346" "3837988" "3858386" "3869430" "3944522" "3969462" "3976411" "3996321" "4038357" "4052146" "4078034" "4080143" "4115048" "4144080" "4145391" "4189338" "4211819" "4227350" "4234655" "4243576" "4251200" "4252590" "4261943" "4269888" "4285646" "4305703" "4308374" "4309332" "4320081" "4340559" "4351683" "4374978" "4384022" "4406850" "4419317" "4440711" "4469540" "4500384" "4526597" "4552603" "4601649" "4610925" "4631215" "4634485" "4643750" "4712988" "4713290" "4804511" "4836507" "4838774" "4839439" "4850836" "4859516" "4893439" "4912169" "4913757" "4956236" "4985304" "4990297" "5025591" "5030496" "5082720" "5094690" "5200261" "5208105" "5230905" "5252284" "5252396" "5254303" "5274035" "5318845" "5336552" "5346756" "5405698" "5453466" "5468807" "5474820" "5478643" "5486419").PN. OR ("4073837" "4702876" "4818458" "5650112" "5945054" "5972463" "6080482").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:08 |
| S74 | 21 | S73 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (turbulen\$3 turbulence vortex\$3 wavy wav\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:14 |

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|-----|------|---|---|----|----|------------------|
| S75 | 18 | S74 not S72 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:09 |
| S76 | 70 | ("2246990" "2453839" "2975024" "2988418" "3002804" "3210452" "3412191" "3767756" "3842151" "3869429" "3946094" "3996321" "4078034" "4298565" "4340559" "4446089" "4971539" "5178814" "5234651" "5252284" "5589125" "5650112" "5658524").PN. OR ("3996321" "4078034" "4340559" "4836507" "5984655").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:14 |
| S77 | 25 | S76 and (spin\$3 spinning) and (coagulant\$3 coagulat\$3 solution gel) and (turbulen\$3 turbulence vortex\$3 wavy wav\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:15 |
| S78 | 15 | S77 not S75 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:15 |
| S79 | 10 | S78 not S72 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/08/22 14:15 |
| S80 | 2 | ("2975024").URPN. | USPAT | OR | ON | 2007/08/22 14:17 |
| S81 | 7535 | (264/178R-178F).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:17 |
| S82 | 2071 | (425/67,69,70,71).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:18 |
| S83 | 529 | S81 and S82 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:18 |
| S84 | 20 | S83 and (bath liquid) same (wav\$3 undulat\$3 vortex\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:18 |
| S85 | 60 | S83 and (bath liquid) same (wav\$3 undulat\$3 vortex\$3 turbulenc\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:29 |

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|-----|-------|--|---|----|----|------------------|
| S86 | 199 | (264/172.16).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:30 |
| S87 | 96 | (264/172.16).ccls. and (bath coagulant coagulat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:30 |
| S88 | 92 | (264/172.16).ccls. and (bath coagulant coagulat\$3) and (spin spinning gel solution wet) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:36 |
| S89 | 11587 | (264/172.16,178R-178F).ccls. (425/66,67,69,70,71,72.1,72.2). ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:41 |
| S90 | 3086 | S89 and (coagulant coagulat\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:36 |
| S91 | 2969 | S89 and (coagulant coagulat\$3) and (bath spin spinning) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:37 |
| S92 | 425 | S89 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$3 offset\$3 shift\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:38 |
| S93 | 372 | S89 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:41 |
| S94 | 12565 | (264/172.16,178R-178F).ccls. (425/66,67,69,70,71,72.1,72.2, 464).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:41 |
| S95 | 378 | S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:49 |
| S96 | 364 | S94 and (coagulant coagulat\$3) same (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:42 |

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|----------|-----|--|--|----|----|------------------|
| S97 | 0 | S58 and bottom | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 14:51 |
| S98 | 0 | S58 and (aperture open\$3) | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 14:47 |
| S99 | 437 | S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 14:50 |
| S10 0 | 138 | S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2) near7 (surface bath coagulant liquid fluid) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 15:43 |
| S10 1 | 1 | 10/500713 | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 14:51 |
| S10 2 | 1 | S101 and bottom | US-PGPUB; USPAT; USOCR; JPO; DERWENT | OR | ON | 2007/08/22 14:51 |
| S10 3 | 400 | S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2 calm smooth) near7 (surface bath coagulant liquid fluid) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 15:45 |
| S10 4 | 361 | S94 and (coagulant coagulat\$3) and (bath spin spinning) and (vortex\$3 vortec\$3 turbulen\$4 turbulenc\$3 wav\$3 undulat\$4 offset\$3 vibrat\$3 vibration\$2 calm smooth) near4 (surface bath coagulant liquid fluid) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2007/08/22 15:45 |
| S10 5 | 3 | ("3050775").URPN. | USPAT | OR | ON | 2007/08/22 15:53 |
| S10 6 | 5 | ("3161706").URPN. | USPAT | OR | ON | 2007/08/22 15:55 |